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November 16, 2021

**VIA ELECTRONIC FILING (ECFS)**

Marlene H. Dortch, Secretary  
Federal Communications Commission  
45 L Street NE  
Washington, DC 20554

Re: *Notice of Ex Parte: Expanding Flexible Use of the 3.7 GHz to 4.2 GHz Band, GN Docket No. 18-122*

Dear Ms. Dortch:

On November 12, 2021, associates of Garmin International met with members of the Federal Communications Commission (FCC) to answer questions about Garmin's radar altimeter products and Garmin's participation in aviation industry testing of radar altimeter susceptibility to potential interference from 5G signals. Commission attendees included:

Office of Acting Chairwoman Jessica Rosenworcel (JR):	Ethan Lucarelli
Office of Engineering & Technology (OET):	Ira Keltz, Robert Pavlak, Jamison Prime, Ronald Repasi
Wireless Telecommunications Bureau (WTB):	Kenneth Baker, Matthew Pearl, Paul Powell, Kambiz Rahnavardy
International Bureau (IB):	Gregory Baker, Dante Ibarra
Office of General Counsel (GC):	Elliot Tarloff

Garmin International associates attending the meeting included Clayton Barber, JC Johnson, and Eddie Straub.

The discussion was based on a set of questions provided by the FCC to Garmin. The discussion included how radar altimeters used during Aerospace Vehicle Systems Institute (AVSI) testing failed when subjected to simulated 5G interference sources. Garmin noted that while some radar altimeters were observed to fail by outputting a No Computed Data (NCD) status, many failed in a manner where a misleading height above ground was output without a simultaneous NCD status. This misleading height above ground failure would not be able to be detected by downstream safety-critical systems that enable safe operation of aircraft in all weather conditions.

This notice is being filed in conformance with Section 1.1206(b) of the Commission's Rules. 47 C.F.R. § 1.1206(b).

Sincerely,

/s/ Clayton Barber  
Clayton Barber  
Principal Engineer  
Garmin International

CC: Ethan Lucarelli  
Ira Keltz  
Robert Pavlak  
Jamison Prime  
Ronald Repasi  
Kenneth Baker  
Matthew Pearl  
Paul Powell  
Kambiz Rahnavardy  
Gregory Baker  
Dante Ibarra  
Elliot Tarloff